

MasterPozzolith[®] 402R

Set retarding and water reducing concrete admixture

MATERIAL DESCRIPTION

MasterPozzolith[®] 402R is a ready-to-use, liquid admixture for producing quality concrete with consistent performance.

It reduces the quantity of mixing water required to produce concrete of a given workability with greater economy for a given strength. The retarding nature of the admixture also aids placing and finishing of concrete.

Master Pozzolith[®] 402R meets ASTM C494/C494M – 08a Type B (Retarding) and Type D (water-reducing and retarding) admixtures. It does not contain chloride-based ingredients and will not initiate or promote corrosion of reinforcing steel in concrete.

FIELDS OF APPLICATION

MasterPozzolith[®] 402R RT admixture is recommended for use in all types of concrete where moderate to extended retardation of set and improved performance are desired. The admixture improves workability of pumped concrete, shotcrete (wet mix) and conventionally placed concrete.

MasterPozzolith[®] 402R can be used with high content of manufactured sand and with air entraining admixtures approved under ASTM. When used in conjunction with another admixture, each admixture must be dispensed separately into the mix. By itself, **Master Pozzolith[®] 402R** admixture does not entrain air.

Concrete produced with **MasterPozzolith[®] 402R** admixture will have appreciable strength development after initial set occurs. If retardation is within the normal ASTM C 494/C494M – 08a types B and D specifications, **MasterPozzolith[®] 402R** admixture will develop higher early (24 hours) and higher ultimate strengths than plain concrete when used within the recommended dosage range and under normal, comparable curing conditions.

FEATURES AND BENEFITS

MasterPozzolith[®] 402R used at optimum dosage enhances the performance of concrete providing the following special qualities:

- Improved workability
- Reduced segregation
- Superior finishing characteristic

- Controlled retardation depending on the rate of addition
- Provides flexibility in scheduling of placing and finishing
- Offset effects of too early hardening during extended delays between mixing and placing.
- Helps eliminate cold joints
- Lower peak temperature and/or rate of temperature rise in mass concrete –reduces thermal cracking

DOSAGE

Master Pozzolith[®] 402R admixture is recommended for use at the rate of 200 - 400 ml per 100 kg of cementitious content for most concrete mixes using typical concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than recommended amounts may be required. In such cases, contact your local Master Builders Solutions representatives.

PACKAGING

MasterPozzolith[®] 402R is available in 205L drum, IBC 1,000 L and in bulk delivery.

SHELF LIFE

MasterPozzolith[®] 402R admixture has a minimum shelf life of 12 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your Master Builders Solutions representative regarding suitability for use and dosage recommendations if the shelf life of **MasterPozzolith[®] 402R** admixture has been exceeded.

PRECAUTIONS

Health: MasterPozzolith[®] 402R does not contain any hazardous substances requiring labelling. It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc. For detailed Health, Safety and Environmental recommendations, please consult and follow a instructions in the product Material Safety Data Sheet..

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